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Family Lookup**JP60048385****PRINTER****SHARP CORP****Inventor(s): ;MATSUMOTO JUNICHIRO ;SHIMADA MITSUHIRO ;YAMAMOTO YOICHI****Application No. 58156749 , Filed 19830826 , Published 19850316****Abstract:**

PURPOSE: To provide a printer having a simple structure capable of enhancing printing quality by bringing the surface of a platen to a flat surface, constituted by forming the platen from a sheet support and an endless elastic sheet member running along the front surface of said support.

CONSTITUTION: A flat plate shaped sheet support 37 is provided to the position to which the printer head of a thermal printer of an ink jet printer is opposed and an endless elastic sheet member 31 runnable along the front surface of the sheet support, that is, between the printer head 36 and the sheet support 37 is provided. In order to run said elastic sheet member 31 in an endless manner, guide rollers 32W34 are provided above, below and behind the sheet support 37 and one roller 33 among them is rotated and driven by a paper feed motor 39.

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[Family Lookup](#)**JP05112001****INK JET RECORDING APPARATUS****CANON INC****Inventor(s): ;OKUBO AKIO ;SAITO ATSUSHI ;IKEDA YASUHIKO****Application No. 03275766 , Filed 19911023 , Published 19930507****Abstract:**

PURPOSE: To fix an ink in a short time without lowering the quality of image by providing a disc-shaped member which brings a member to be recorded into contact under pressure with a carrying belt over the whole width of the max. recording width while the disc rotates in the carrying direction of the member to be recorded in accordance with the movement of the carrying belt.

CONSTITUTION: An ink is jetted from an ink jet recording head 3 at a specified timing to form an image on a recording paper 1. In this case, the recording paper 1 just after the image is formed thereon, is carried by means of a belt 5. In addition, the belt 5 is synchronously driven with the jetting timing means of a driving roller 9. Furthermore, the belt 5 is heated by means of a face-shaped heater 10. While a plurality of spur gears 111-161 are rotated in the carrying direction of the recording paper 1 in accordance with the belt 5, the recording paper 1 is brought into press-contact with the belt over the whole width of the max. recording width. Heat of the belt 5 is uniformly transmitted thereby to the image forming part of the recording paper 1 and the ink is dried and fixed thereby in a short time without lowering the quality of the image.

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welding and heat drying the surface of a material to be recorded in an area just before printing by a belt type preheater and printing on the surface while vacuum suction carrying is carried out for the material to be recorded in the heat drying.

CONSTITUTION: Materials 6 to be recorded are heated successively by a belt type preheater 2 just before printing, and in the case the material 6 to be recorded is a recording paper, the water content included therein is steam dispersed, suction fixed to a porous carrying belt 34 of a vacuum suction carrier 3 while the temperature is lower to some extent, and carried right unclear a full color line head 1. The recording paper fed into the preheater after five seconds from the start of energization is heated to 100-110°C, and the water content is dispersed quickly and almost completely dried paper of 90-100°C is carried under the full color line head 1. Even when the paper is put through the material to be recorded of narrow width, excessive electric current flows through PTC heater exclusively for the temperature lowered area because of the insertion of paper to recover the lowered temperature and uniformize the temperature all over the area.

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